

TRANSCO EXPLORATION CO.-WELL NO. TYP-WILCOX #1-10

API NO. 43-057-51097

Sec. 10, T. 29S, R. 24E SAN JUAN COUNTY

P-W

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS, AND MINING**

SUBMIT "REPLICATE"  
 (Other instructions on  
 reverse side)

1. Lease Designation and Serial No.

Fee

2. If Indian, Allottee or Tribe Name

3. Unit Agreement Name

4. Farm or Lease Name

TXP - Wilcox

5. Well No.

1-10

6. Field and Pool, or Wildcat

Wildcat

7. Sec., T., R., M., or Bk.  
and Survey or Area

Sec. 10, T29S, R24E

8. County or Parish 9. State

San Juan County, Utah

1a. Type of Work

DRILL ☒DEEPEIN ☐PLUG BACK ☐

b. Type of Well

Oil

Well ☒

Gas

Well ☒

Other

Single

Zone ☐

Multiple

Zone ☐

2. Name of Operator

TXP OPERATING COMPANY

by: TRANSO EXPLORATION CO. ATTN: JOHN ROSAIA (713) 439-3502

3. Address of Operator

P. O. Box 1396, Houston, Texas 77251

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface

1980' ENL & 1980' FEL of Section 10 (SW NE)  
2031' 1984'

At proposed prod. zone

Vertical Well - Same as above

14. Distance in miles and direction from nearest town or post office

Approximately 3/4 miles west of LaSal, Utah

15. Distance from proposed

location to nearest

property or lease line, ft.

(Also to nearest driz. line, if any)

660' FWL &amp; 660' FSL

16. No. of acres in lease

156

17. No. of acres assigned

to this well

80

18. Distance from proposed location  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

Not Applicable

19. Proposed depth

7100' TD

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DP, RT, GR, etc.)

Approximately 6768' (ground level)

22. Approx. date work will start

November 15, 1984

## 23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
20"	13-3/8"	Culvert pipe	150'	Cement to surface
12-1/4"	9-5/8"	36# K-55	2100'	900 sxs (circ. to surface)
7-7/8"	5-1/2"	17# N-80	7100'	500 sxs

Transco proposes to drill this well to 7100' TD to the Pennsylvanian Honaker Trail Formation; primary objective is the White Rim Sandstone, Cutler Formation. If productive, we will run casing to TD and complete. If dry, we will plug and abandon in accordance with Utah State regulations.

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING

DATE: 11/16/84

BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give shutout prevention program, if any.

Signed

[Signature] 11/2/84

Drilling Superintendent

Date 11-02-84

This space for Federal or State office use

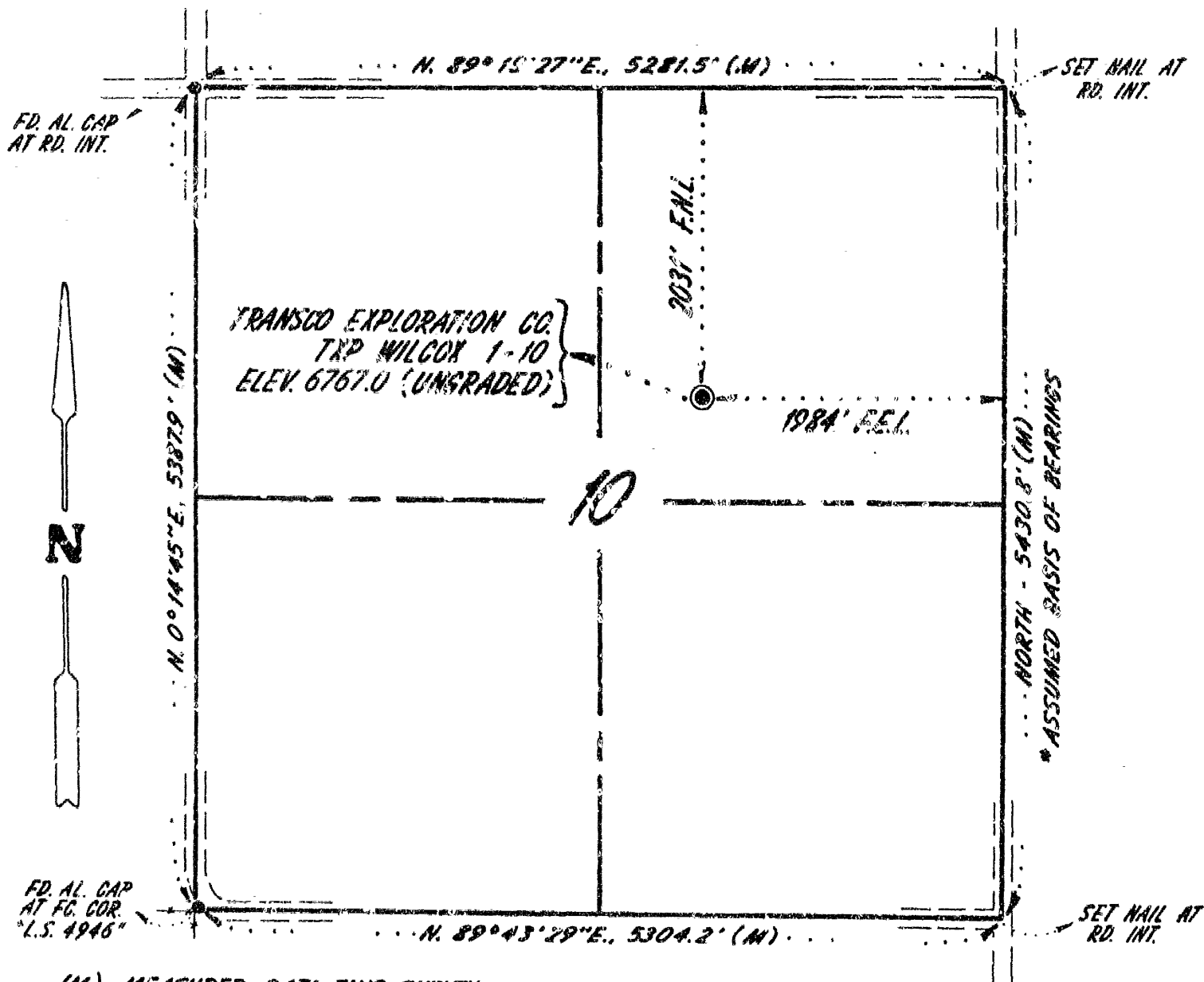
Permit No.

Approval No.



300 Country Club Road  
Suite 206  
Casper, Wyoming 82609  
(307) 268-3809

# T.29S., R.24E., SALT LAKE BASE & MERIDIAN, SAN JUAN CO., UTAH SECTION 10



(M) = MEASURED DATA THIS SURVEY

SCALE: 1" = 1000'

© = SURVEYED WELL LOCATION

## SURVEYORS CERTIFICATE

STATE OF WYOMING )  
COUNTY OF NATRONA ) S.S.

PLATTED FIELD NOTES OF A SURVEY MARKING  
WELL LOCATION TRANSCO EXPLORATION CO.  
TXP WILCOX 1-10, SW  $\frac{1}{4}$  NE  $\frac{1}{4}$  SEC. 10,  
T.29S., R.24E., SALT LAKE BASE & MERIDIAN,  
SAN JUAN CO., UTAH

I, PAUL A. REID, HEREBY STATE THAT I AM A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH UNDER PROVISIONS OF UTAH LAW. I FURTHER STATE THAT THIS PLAT REPRESENTS A SURVEY MADE UNDER MY DIRECT SUPERVISION AND RESPONSIBILITY BY STEVEN J. MALEY ON NOV. 2, 1984 FOR THE PURPOSE OF AN APPLICATION FOR PERMIT TO DRILL. ANY OTHER USE OF THIS PLAT WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE SURVEYOR IS PROHIBITED.

PAUL A. REID UTAH REG. L.S. 5669

JOB NO: 114-11/84

DATE: 11-05-84

NOTES: BOOK NO. WL. 11  
PGS. 41-45

UNGRADED ELEVATION OF TXP  
WILCOX 1-10 . . . . . 6767.0

UNGRADED ELEVATIONS OF REFERENCE  
POINTS SET WITH 12" x  $\frac{3}{8}$ " SPIKES.

NORTH . . . . . 2000' FEET . . . . . 6770.7  
SOUTH . . . . . " " . . . . . 6762.8  
EAST . . . . . " " . . . . . 6766.3  
WEST . . . . . " " . . . . . 6763.7

BASIS OF ELEVATIONS: U.S.C. & G.  
BENCHMARK 6127 (1934), ELEV. 6844

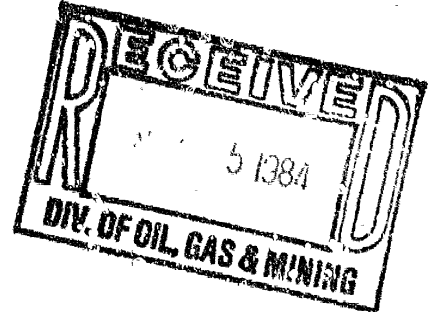


**TXP Operating Company**

Transco Exploration Company, Managing General Partner

2800 Post Oak Boulevard  
P. O. Box 1396  
Houston, Texas 77251  
713-439-2000

November 2, 1984



State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Arlene Sollis

RE Location for Permit to Drill  
XP - Wilcox #1-10  
San Juan County, Utah

Dear Ms. Sollis:

Attached in triplicate is Transco's application for permission to drill the above referenced well. As Cammye Singletary explained to you on the telephone this morning, we are requesting approval from you in order that we may spud this well on or about November 15, 1984. You will note that the survey plat is not included. The surveyor will personally deliver this to your office. A copy of the Utah Division of Water Rights approval will be submitted to your office as soon as it is received.

We would appreciate your prompt attention to this matter, and thank you for the assistance you furnished to Ms. Singletary. Should you have any questions concerning this application or require additional information, please contact me at (713) 439-3502 or Cammye Singletary at (713) 439-3503.

Sincerely,

TXP OPERATING COMPANY  
By Transco Exploration Company  
its Managing General Partner

John Rosata - Acting Supervisor  
Regulatory & Environmental Affairs

/cs

Attachments

11/6/84

# TRANSCO EXPLORATION COMPANY

## DRILLING PROGNOSIS

### 1. Surface Formation:

Cretaceous Dakota Undifferentiated

### 2. Formation Tops:

Ground Elevation: 6758' approximately

A. Burro Canyon	61'
B. Morrison	203'
C. Entrada	714'
D. Navajo	1091'
E. Kayenta	1418'
F. Wingate	1596'
G. Chinle	1969'
H. Shinarump	2391'
I. Moenkopi	2473'
J. Cutler	2706'
K. White Rim Sandstone	3966'
L. Organ Rock Shale	4386'
M. <del>H</del> onaker Trail	6991'
N. Total Depth	7100'

3. If any water zones are encountered, they will be adequately protected and reported; none anticipated. The 2100' of surface casing will protect any near surface fresh water zones.

### 4. Casing and Cement Program (All New casing):

<u>Hole Size</u>	<u>Interval</u>	<u>Size</u>	<u>Weight/Grade</u>	<u>Cement Type</u>
20"	0 - 150'	13-3/8"	Culvert	
12-1/4"	0 - 2100'	9-5/8"	36#, K-55	Halliburton Light and "B"
7-7/8"	0 - 7100'	5-1/2"	17#, N-80	"B"

### 5. Minimum Pressure Control Equipment: (Schematic Attached)

Type:	10" - 900 Series (Double gate hydraulic w/manual and remote controls)
Pressure Rating:	3000 psi
Testing Procedure:	Equipment will be pressure tested to 70% interval yield strength surface casing and operational checks will be made daily and recorded on tour sheets.

6. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Weight ppg</u>	<u>Viscosity</u>	<u>W.L.</u>
0 - 2100'	Water, Gel	8.4 - 8.6	25 - 35	N.C.
2100' - 7100'	LSND	8.5 11.6 ✓	35 - 45	15 cc cr less

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise. Mud inventory to be stockpiled on location. Will not be less than the amount needed for the mud system as required to drill this well.

7. Auxiliary Equipment:

- A. A lower kelly cock will be kept in the string at all times.
- B. Periodic checks will be made each tour of the mud system.
- C. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the kelly is not in the string.
- D. No bit float will be used.
- E. Monitoring of the mud system will be visual and flow sensor device.

8. Evaluation Program:

Logs: Gamma Ray from 2100' to surface  
DIL, GR, FDC-CNL, MEL, MSFL, Sonic from 7100' to 2100'  
Four Electrode Dipmeter from 7100' to 2700'

Cores: No conventional cores planned. Possible SWC's

DST: One (1) definite and two (2) possible as indicated by shows and logs.

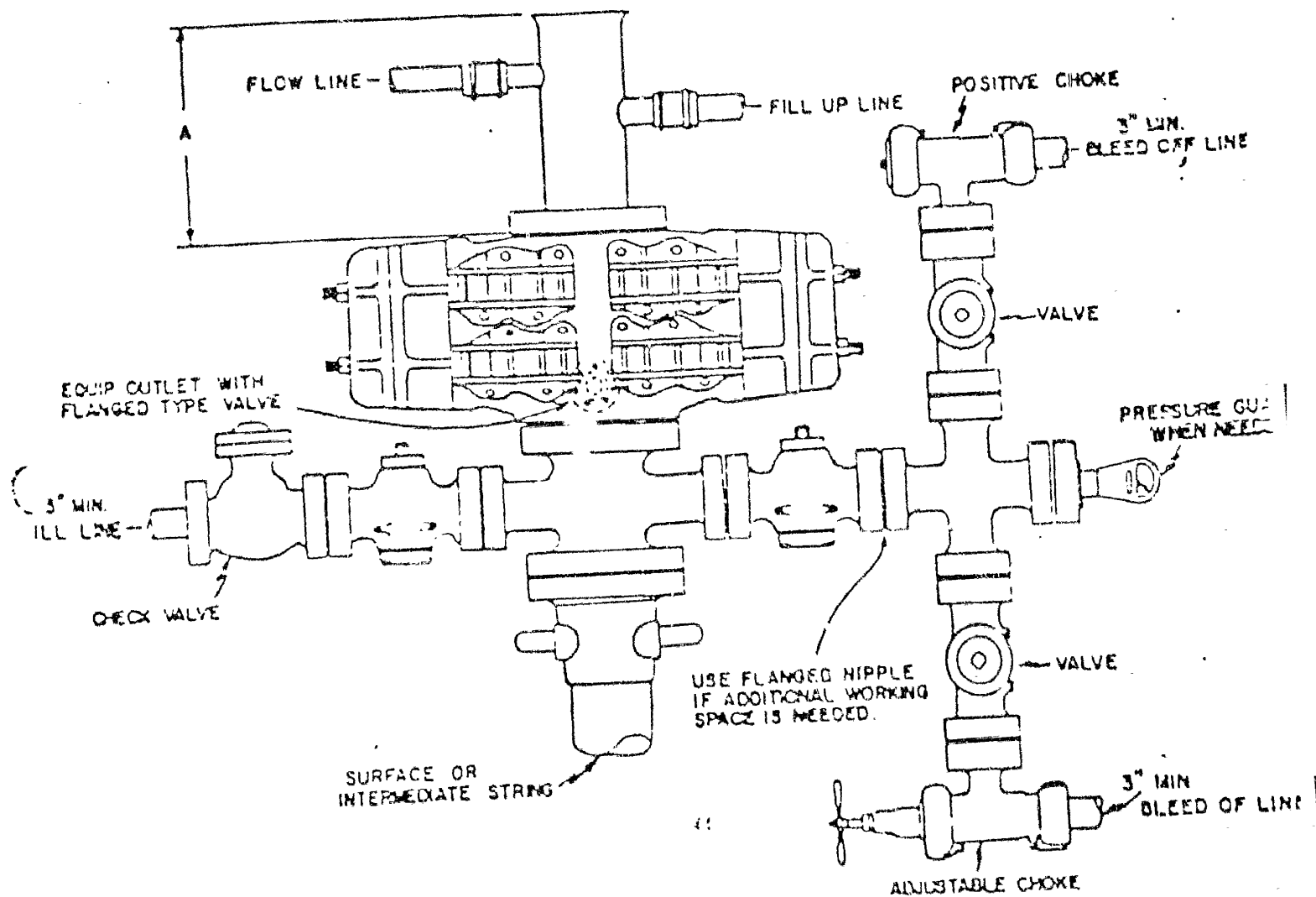
Stimulation: No stimulation has been formulated for this test at this time.  
If production casing is run, the potential producing interval will be perforated with jets. The State will be notified by "Sundry Notice" of a complete stimulation program. The drill-site, as approved, will be of sufficient size to accomodate all completion activities.

9. Abnormal Conditions:

It is not anticipated that abnormal temperatures, pressures or toxic gases will be encountered. No H<sub>2</sub>S has been reported or know to exist from previous drilling in the area at this depth.

10. Drilling Activity:

Anticipated Commencement Date: November 15, 1984  
Required Drilling Days: Approximately 35  
Required Completion Days: Approximately 40



# BLOWOUT PREVENTER

9-10 inca

30.00 psi

OPERATOR Tranco Exploration DATE 11-5-84

WELL NAME TXP-Wilcox #1-10

SEC SW NE 10 T 29S R 24E COUNTY San Juan

43-037-31099  
API NUMBER

Fee  
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST WELL

☒

LEASE

☒

FIELD

☐

POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other wells within 1000'  
Need water permit

APPROVAL LETTER:

SPACING: ☐ A-3 \_\_\_\_\_ UNIT

☐ c-3-a \_\_\_\_\_ CAUSE NO. & DATE

☒ c-3-b

☐ c-3-c

STIPULATIONS:

1- Water





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 6, 1984

Transco Exploration Company  
P. O. Box 1396  
Houston, Texas 77251

Attention: John Rosata

Gentlemen:

Re: Well No. TXP-Wilcox #1-10 - SW NE Sec. 10, T. 29S, R. 24E  
2031' FNL, 1984' FEL - San Juan County, Utah

Approval to drill the above referenced oil/gas well is hereby granted in accordance with Rule C-3 (h), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2  
Transco Exploration Company  
Well No. TXP-Wilcox #1-10  
November 6, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31097.

Sincerely,

A handwritten signature in dark ink, appearing to read 'R. J. Firth', written over the typed name.

R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals



2800 Post Oak Boulevard  
P. O. Box 1396  
Houston, Texas 77251  
713-439-2000

November 27, 1984

RECEIVED  
DEC 03 1984

State of Utah  
Department of Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84114

DIVISION OF  
OIL, GAS & MINING

ATTN: Mr. Ron Firth

RE: Request for Confidential Status  
TXP - Wilcox #1-10  
San Juan County, Utah

Gentlemen:

TXP OPERATING COMPANY hereby requests that all reports filed with the State of Utah be held "Confidential" for a period of six (6) months on the above referenced well.

If additional information is required please contact me at (713) 439-3502 or Cammye Singletary at (713) 439-3503.

Sincerely,

TXP OPERATING COMPANY  
By: Transco Exploration Company  
its Managing General Partner

John Rosata - Supervisor  
Regulatory & Environmental Affairs

CS/dsf

CONFIDENTIAL

## DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

API #43-037-31097

NAME OF COMPANY: TRANSCOWELL NAME: TXP-WILCOX 1-10SECTION SW NE 10 TOWNSHIP 29 S RANGE 24E COUNTY San JuanDRILLING CONTRACTOR ColemanRIG # 3SPUDDED: DATE 12-22-84TIME 5:00 PMHOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Leon AbramsTELEPHONE # DATE 12-24-84 SIGNED JRB

To

*John Bazz*

Date

*12/31/84*

Time

*1:10***WHILE YOU WERE OUT**

M

*Max Wilcox*

of

Phone

*686-2282*

Area Code

Number

Extension

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	URGENT	<input type="checkbox"/>
RETURNED YOUR CALL		<input type="checkbox"/>	

Message

*Re.**Wilcox 1-10 Will  
(Transco Explanation)**AS*

Operator

AMPAD  
EFFICIENCY®23-000 50 SHT PAD  
23-001 250 SHT DISPENSER BOX

12/31/84

1330 hrs.

I talked to Max Wilcox (ph. 686-2282) who is landowner.

He wants to use this well for water & will prepare letters to us & Div. of Water Rights.

I spoke w/ Leon Abrams of Transco & they are agreeable.

They will simply cap well & move out. No plug & abandon.

JRB

Proposed PxA

12/31/84  
1040 hrs.

Wilcox 1-10

Leon Abrams, Transco Explor.

Sec. 10, T29S, R24E \

San Juan Co.

259-2025

TD = 3972'✓

998 Csg @ 2191'

White rim: 3545' encountered water  
(13 BPM)

Chinle 2510

Shinarump 2965

Cutler 3002

White Rim 3545

① 3500' - 3600'

② 2150 - 2250'

③ Surface plug.

④ Standard PxA marker

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

OPERATOR Transco Exploration Co LEASE FEE  
WELL NO. TXP Wilcox 1-10 API 43-037-31097  
SEC. SWNE10 T. 29S R. 24E CONTRACTOR \_\_\_\_\_  
COUNTY San Juan FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN ☐ / TA ☐ :

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> SAFETY
<input type="checkbox"/> OTHER			

ABANDONED:

<input checked="" type="checkbox"/> NA MARKER	<input checked="" type="checkbox"/> HOUSEKEEPING	<input checked="" type="checkbox"/> REHAB.	<input checked="" type="checkbox"/> OTHER CONVERTED TO WATER WELL
---	--	--	---

PRODUCTION:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> FACILITIES*
<input type="checkbox"/> METERING*	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input type="checkbox"/> SECURITY	<input type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> SOLD	<input type="checkbox"/> LEASE USE
--	-------------------------------	------------------------------------

LEGEND: Y - YES OR SATISFACTORY  
N - NO OR UNSATISFACTORY  
NA - NOT APPLICABLE

\*FACILITIES INSPECTED: csg head with approx 100 ft of 2" flexible pvc hose - submersible pump in well - gauge reads approx 500psi -

REMARKS: well has been converted to a water well - water is being pumped out through hose down natural drainage to reservoir

ACTION:

INSPECTOR: Blucke DATE 21 Jan 85





410 17th Street • Suite 1850 • Denver, CO 80202 • Ph. (303) 573-1295

RECEIVED  
JAN 04 1985

DIVISION OF  
OIL, GAS & MINING

January 2, 1985

CONFIDENTIAL  
State of Utah  
Division of Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84143

Re: TXPOC Wilcox 1-10

Dear Gentlemen:

Enclosed you will find the final prints per your request of the distribution list on TXPOC Wilcox 1-10.

Tooke Engineering thanks you for this business and anticipates being of service to you again in the future.

Log Distribution Department

H2S CONTINGENCY PLAN  
FOR  
TRANSCO EXPLORATION

*Wilson*  
T.X.T.O.C. - ~~WILSON~~ 1-10

T29S-R24E SECT. 10  
SW/NE 2031 PNL/1984 FRL  
SAN JUAN COUNTY, UTAH

## INDEX

### SECTION I

- A. Safety Plan
- B. Emergency Call List

### SECTION II

- A. Emergency Procedures

### SECTION III

- A. Drill Program
- B. Mud Program
- C. Safety Equipment
- D. Protection of H<sub>2</sub>S
- E. Detection of H<sub>2</sub>S

DIRECTIONS TO LOCATION

HIGHWAY 90 <sup>West</sup> ~~WEST~~ OUT OF LA SAL,  $\frac{1}{4}$  MILE TURN SOUTH (RIGHT).

GO .6 MILE TO INTERSECTION, GO WEST  $\frac{1}{2}$  MILE TO TURN IN TO WELL.

(WELL APPROX. 2000' OFF FROM ROAD.)

EMERGENCY NOTIFICATION

SHERIFF:	259-8115	
UTAH HIGHWAY PATROL:	587-2662	
FIRE DEPARTMENT:	686-2246	
LIFE FLIGHT:	259-7403	
AMBULANCE:	259-7403	
ALLEN MEMORIAL HOSPITAL:	259-7191	(MOAB, UTAH)
SAN JUAN COUNTY HOSPITAL:	0-ZENITH 110	(MONTECELLO, UTAH)
DOCTORS:		
D. MARQUARET, M.D.	259-8916	
J. MUNSEY, M.D.	259-6187	
VET:		
DONALD HOFFMAN, D.V.M.	259-5216	

DIRECTIONS TO ALLEN MEMORIAL HOSPITAL

FROM RIG GO TO LA SAL. TAKE HIGHWAY 46 WEST 9 MILES, TURN RIGHT ON HIGHWAY 191, GO 22 MILES TO MOAB, UTAH. TURN LEFT ON KANE CREEK ROAD, GO .7 MILE TO 500 WEST STREET. TURN RIGHT AND GO .7 MILES, TURN LEFT ON 400 NORTH. HOSPITAL ON LEFT  $1\frac{1}{2}$  BLOCKS.

EMERGENCY NOTIFICATION-TRANSCO PERSONNEL

D. K. PATTON	OFFICE	(303) 863-3600
	HOME	(303) 694-4176
DAVID ADAMS	OFFICE	(713) 439-3285
	HOME	(713) 351-9417
BRUCE WYLEY	OFFICE	(713) 863-3600
	HOME	(713) 745-5625
LARRY W. MECOM	OFFICE	(713) 439-3595
	HOME	(713) 499-7333
JOHN BURBA	OFFICE	(713) 439-3266
	HOME	(713) 591-6698

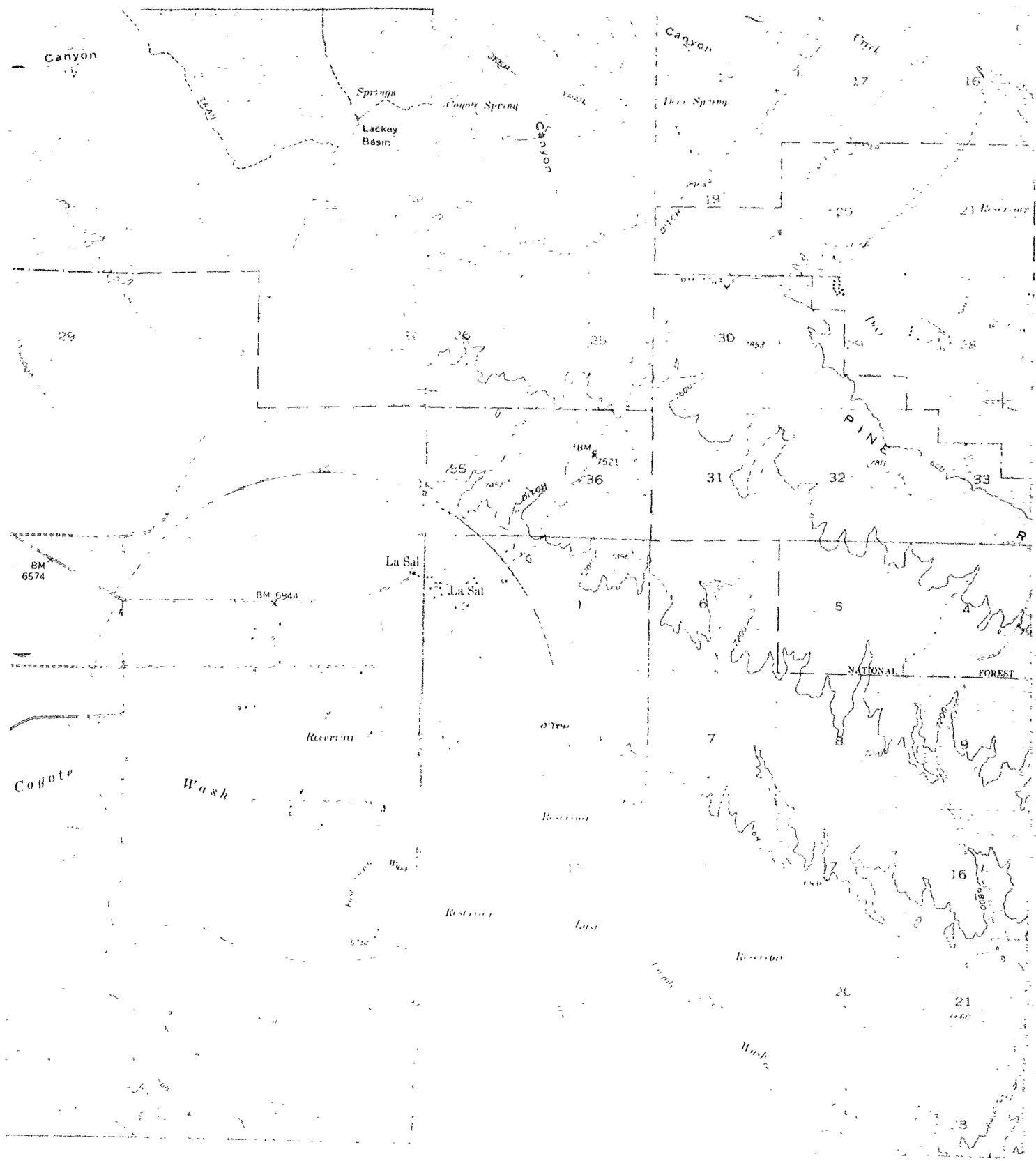
EMERGENCY NOTIFICATION-- FEDERAL/STATE OFFICIALS

BUREAU OF LAND MANAGEMENT

PHONE: (801) 587-2201 MONTECELLO, UTAH  
(801) 259-6111 MOAB, UTAH

UTAH DIVISION OF OIL, GAS, AND MINING, SALT LAKE CITY, UTAH

PHONE: (801) 533-5771





## EMERGENCY EVACUATION PROCEDURES

If an emergency situation should arise, the Sheriff's Department will be notified immediately so that they can assist in evacuating and sealing off the area. The Sheriff's Department and Department of Public Safety have both been notified of this well and have agreed to assist in the event of an emergency.

Road blocks will be established at all entrances to the location and no unauthorized personnel will be permitted to enter the area.

### PUBLIC CALL LIST

MR. JERRY FRAZIER 2 OCCUPANTS	(801) 686-2202
MR. BILL FREDERICKS 2 OCCUPANTS	(801) 686-2231
MR. DALE FULLER 2 OCCUPANTS	(801) 686-2352
MR. LANE FULLER 4 OCCUPANTS	(801) 686-2200
MR. STEVE GARCIA 3 OCCUPANTS	(801) 686-2362
MR. TOM GARCIA 3 OCCUPANTS	(801) 686-2256
MR. ALLEN HATCH 7 OCCUPANTS	(801) 686-2387
MS. JUNE HAYWARD 2 OCCUPANTS	(801) 686-2342
MR. KENNETH HORRACK 7 OCCUPANTS	(801) 686-2264
MR. CHESTER LEESON 2 OCCUPANTS	(801) 686-2204

PUBLIC CALL LIST (CON'T)

MR. HALL BANE 3 OCCUPANTS	(801) 686-2267
MR. HARVEY BLANKENAGLE 2 OCCUPANTS	(801) 686-2380
MR. JAMES BLANKENAGLE 6 OCCUPANTS	(801) 686-2364
MR. ZANE CHARTRAND 7 OCCUPANTS	(801) 686-2330
MR. STIVE DEETER 6 OCCUPANTS	(801) 686-2331
MR. CHARLES ELLIOT 6 OCCUPANTS	(801) 686-2386
MR. WAYNE LEESON 4 OCCUPANTS	(801) 686-2204
MR. JOSE JACQUEZ 4 OCCUPANTS	(801) 686-2243
MR. CASEY JARAMILLO 2 OCCUPANTS	(801) 686-2286
MR. ROBERT KYLE 3 OCCUPANTS	(801) 686-2212
MR. JESSE LANGSTAFF 6 OCCUPANTS	(801) 686-2388
MR. ELMER LOUDERBACK 2 OCCUPANTS	(801) 686-2391
MR. VICTOR IOVATO 6 OCCUPANTS	(801) 686-2255
MR. MADRID CRUZ 2 OCCUPANTS	(801) 686-2247
MR. JOHN NEWMAN 2 OCCUPANTS	(801) 686-2353
MR. RALPH RAMSTETTER 4 OCCUPANTS	(801) 686-2285

PUBLIC CALL LIST (CON'T)

MR. CHARLES REDD 4 OCCUPANTS	(801) 686-2321
MR. ARTHUR SAGRILLO 5 OCCUPANTS	(801) 686-2205
MS. BILLIE WHITE 1 OCCUPANT	(801) 686-2205
MR. GORDON SAMPSON 6 OCCUPANTS	(801) 686-2344
MR. LES SHIPLER 2 OCCUPANTS	(801) 686-2246
MR. WILLIAM TATTON 2 OCCUPANTS	(801) 686-2252
MR. DALE YOUNGBLOOD 4 OCCUPANTS	(801) 686-2283
LA SAL SCHOOL GRADES 1-4 ONLY)	(801) 686-2262
LA SAL GENERAL STORE	(801) 686-2225
LA SAL LIVESTOCK CO.	(801) 686-2221
POST OFFICE	(801) 686-2265

RESIDENTS MAY BE ALERTED BY FIRE STATION SIREN. (CONTINUOUS BLAST)

## SAFETY

It is EnviroSAFE's policy in all operations to do everything possible to insure the safety of its employees and contractor employees on the job site; and further, to provide the safety and comfort of persons near the operation by protecting the environment to the fullest degree possible.

The primary purpose of the procedures outlined herein is to guide the personnel on location in the event that Hydrogen Sulfide (H<sub>2</sub>S) reaches the surface. TO PROTECT THEIR OWN SAFETY AND OF OTHERS, ALL PERSONNEL ON THE JOB SITE WILL RIGIDLY ADHERE TO THIS PLAN.

EMERGENCY NOTIFICATION - SERVICES

Envirosafe Phone: (307) 789-7913

Envirosafe Safety Representative: Evanston

Dave Ramey  
Daniel Smith  
DIRK HUMMEL  
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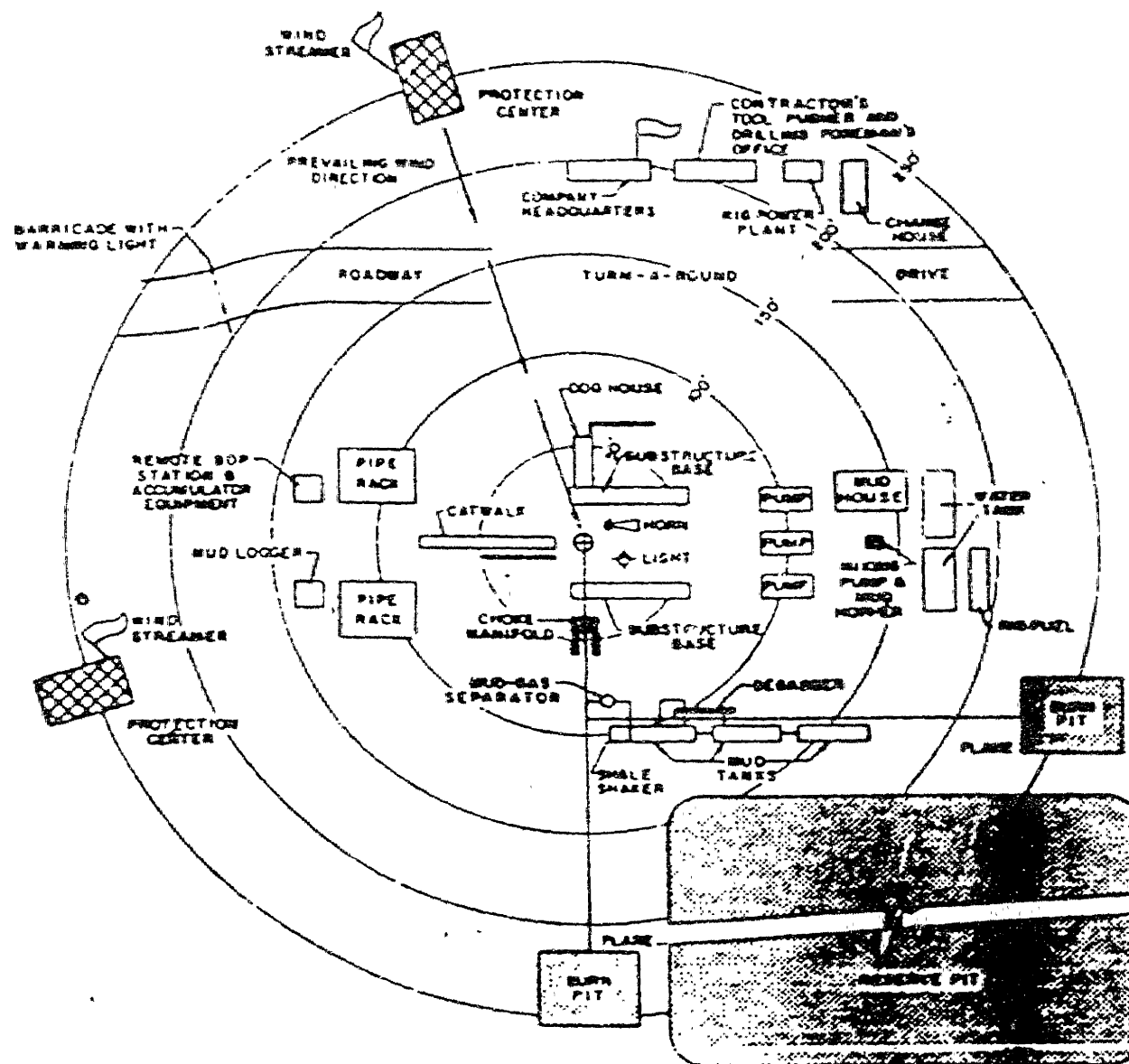


FIG. 1  
TYPICAL DRILLING EQUIPMENT  
LAYOUT—UNCONFINED LOCATION

## EMERGENCY PROCEDURES

The fact is to be instilled in the minds of all rig personnel that the sounding alarm means only one thing: H<sub>2</sub>S IS PRESENT. Everyone is to proceed to his assigned station and the contingency plan should be put into effect.

### RESPONSIBILITY

In order to assure proper execution of the contingency plan, it is essential that one person be responsible for and in complete charge of implementing these procedures. The responsibility will be the company representatives.

1. Company representative on location - should he become disabled or unable to locate -
2. Senior Drilling Engineer - should he become disabled or unable to locate -
3. Toolpusher - should he become disabled or unable to locate -
4. Envirosafe Representative.

### DRILLING CREW ACTIONS

1. All personnel will don their protective breathing apparatus. The driller will take necessary precaution as indicated in OPERATING PROCEDURES.
2. The Buddy System will be implemented. All personnel will act upon directions from the company representative.
3. If there are non-essential personnel on location, they will move off location.
4. Entrance to location will be patrolled, and the proper well condition flag will be displayed at the entrance to the location.

In the event that an accidental release of a potentially hazardous volume of H<sub>2</sub>S, the following procedures will be taken:

- A. All personnel on location will be accounted for and emergency search should begin for any missing.
- B. All search missions will be conducted under fresh air masks in teams of two. Should the search team need to approach the well, safety harness and rope should be used.
- C. All individuals, companies, and agencies should be contacted according to the EMERGENCY CALL LIST.
- D. An assigned crew member will blockade the entrance to the

location. No unauthorized personnel will be allowed entry into the location.

- E. The company representative will remain on location and attempt to regain control of the well.
- F. The company's designated representatives will begin evacuation of those persons in immediate danger.

## 5. LEAK IGNITION

Leak ignition procedure (used to ignite a leak in the event it becomes necessary to protect the public).

1. Two men wearing self-contained pressure demand air masks, must determine the perimeter of the flammable area. This should be done with one man using a H<sub>2</sub>S Detector and the other using a flammable gas detector. The flammable perimeter should be established at 30% to 40% of the lower flammable units.
2. After the flammable perimeter has been established, and all employees and citizens have been removed from the area, the ignition team should move to up-wind area of the leak perimeter and fire a flare into the area. If the leak isn't ignited on the first attempt, move in 20 to 30 feet and fire again. Continue moving in and firing until the leak is ignited or the flammable gas detector indicates the ignition team is moving into hazardous area (75-80% of lower flammable limits). If trouble is incurred in igniting the leak by firing toward the leak, try firing 40 degrees to 90 degrees to each side of the area where you have been firing. If still no ignition is accomplished, ignite the copper line burner and push it into the leak area. This should accomplish ignition. If ignition is not possible due to the makeup of the gas, the toxic leak perimeter must be established and maintained to insure evacuation is completed and continued until the emergency is secure.
3. The following equipment and manpower will be required to support the ignition team:
  - a. One 25mm type flare gun.
  - b. Four pressure demand air packs.
  - c. Two 250' lengths of 3/8" nylon rope tied to the ignition teams waists.
  - d. Two men in clear area equipped with air packs, who are capable of rescuing the ignition team.
  - e. Portable butane bottles with 100' of copper line attached to burner.



## IGNITING THE WELL

### RESPONSIBILITY

THE DECISION TO IGNITE THE WELL IS THE RESPONSIBILITY OF TRANSCO'S DRILLING FOREMAN. In the event he is incapacitated, it becomes the responsibility of the CONTRACT RIG SUPERINTENDENT. In case the DRILLING FOREMAN AND RIG SUPERINTENDENT are incapacitated, the ENVIROSAFE, INC. employee acting as TRANSCO'S agent will assume all responsibility designated therein.

1. The decision should be made only as a last resort and in a situation where it is clear that:
  - A. Human life and property are endangered.
  - B. There is no hope of controlling the blowout under the prevailing conditions at the well.
2. In all cases, an attempt should be made to notify TRANSCO'S of the plans to ignite the well, if time permits. However, the foreman must not delay his decision if human life is in danger.

### INSTRUCTIONS FOR IGNITING THE WELL

1. The primary method of igniting the well is a 25mm flare gun with a range of approximately 500 feet.
2. Always ignite the well from upwind and do not approach well any closer than is warranted.
3. Select a location that is clear and accessible for a hasty retreat and which provides maximum protection for the ignition team.
4. With the well ignited, remember that burned Hydrogen Sulfide converts to Sulfur Dioxide, which is also toxic and poisonous. Do not assume the area is safe when the gas is being burned.
5. After gas has been ignited, continue to observe the same emergency action and procedures as before. Continue to follow the instructions of TRANSCO'S Foreman or EnviroSAFE's Supervisor.
6. All unassigned personnel will limit their actions to the directions given by TRANSCO'S Foreman or EnviroSAFE's Supervisor.

REMEMBER: AFTER THE WELL IS IGNITED, BURNING H<sub>2</sub>S WILL CONVERT TO SO<sub>2</sub>, WHICH IS ALSO HIGHLY TOXIC - DO NOT ASSUME THE AREA IS SAFE AFTER THE WELL IS IGNITED.

H2S CONTINGENCY PLAN  
EVACUATION PLAN

The following general plan has been developed in the event that any public evacuation becomes necessary.

1.     TRANSGO           has requested and has been assured the support of the various public safety entities in the area.
2.     Any evacuation will be conducted with and coordinated by the County Sheriff and supported by the State Highway Department.
3.     Assistance from other Public Safety entities will be enlisted and coordinated by the County Sheriff's office.
4.     The included maps detail the area of the well site including the inventory of the public within two (2) miles of the well.
5.     In the event that there is any suspected problem on the well, the well site supervisor will notify the Sheriff's office for Alert Status.
6.     Alert Status will require that available public support personnel will assemble at the courthouse and stand-by for instructions.
7.     If isolation and evacuation are necessary, then units will be dispatched to points marked on the map with instructions to maintain road blocks.
8.     Evacuation team will then proceed to sectors to be evacuated. Evacuation procedures will follow appropriate consideration for wind conditions.
9.     Personnel from     TRANSCO                   will establish safe perimeter using H2S Detector.

## OPERATING CONDITIONS

### A. EMERGENCY PROCEDURES AND DEFINITION OF WARNING FLAGS

#### 1. Condition:

GREEN - NORMAL OPERATIONS

#### 2. Condition:

YELLOW - POTENTIAL DANGER, CAUTION

##### a. Cause for condition:

- (1) Circulating up drilling breaks.
- (2) Trip gas after trip.
- (3) Circulating out gas on choke.
- (4) Poisonous gas present, but below threshold concentrations.

##### b. Safety action:

- (1) Check safety equipment and keep it with you.
- (2) Be alert for a change in condition.
- (3) Follow instructions.

#### 3. Condition:

RED - EXTREME DANGER

##### a. Cause for condition:

- (1) Uncontrolled flow from well with lethal concentrations of H<sub>2</sub>S.

##### b. Safety action:

- (1) Mask up. All personnel will have protective breathing equipment with them. All personnel will stay in safe briefing area unless instructed to do otherwise.
- (2) The decision to ignite the well is the responsibility of the company representative and should be made only as a last resort, when it is clear that:
  - (a) Human life is endangered.
  - (b) There is no hope of controlling the well under prevailing conditions.
- (3) Order evacuation of local people within the danger zone.

## INSTRUCTION TO PERSONNEL

### WHERE HYDROGEN SULFIDE MAY BE ENCOUNTERED

1. Every person involved in the operation will be informed of the characteristics of Hydrogen Sulfide, its dangers, safe procedures to be used when it is encountered, and recommended first aid procedures for regular rig personnel.
2. The H<sub>2</sub>S SUPERVISOR will conduct training sessions and will repeat as deemed necessary by him or as instructed by the DRILLING FOREMAN.
3. Instruction will include the following:
  - a. Danger of Hydrogen Sulfide.
  - b. Use and limitation of air equipment.
  - c. Use of resuscitator; organize "buddy system" and first aid procedures.
  - d. Use of H<sub>2</sub>S detection devices; designate responsible people.
  - e. Explain rig layout and policy on visitors; designate smoking and safety areas; emphasize the importance of wind directions.
  - f. Explain functions of H<sub>2</sub>S drill.
  - g. Explain the overall emergency plan with emphasis given to the evacuation phase of the plan.
4. The above instructions will be attended by every person involved in the operation.
5. Visitors will be instructed to report to TRANSCO'S FOREMAN.
6. Visitors will be refused entrance for lack of safety equipment, if special operations are in progress, or for other reasons involving personnel safety.

## OPERATIONS WHEN HYDROGEN SULFIDE IS DETECTED

1. At this time TRANSCO'S drilling foreman will assess the situation outline a program of control and assign duties. His instructions will be followed carefully. Success depends on how quickly, thoroughly and effectively each man does his assigned duties.
2. When severity of the situation has been determined, all personnel will be advised. If necessary TRANSCO'S drilling foreman will place a guard at the entrance to the location to keep unauthorized personnel from entering the location.
3. Personnel will develop practice of watching out for each other when emergency conditions exist. Where possible, work should be performed in pairs. When a Hydrogen Sulfide emergency exists, personnel should use the "buddy system" to prevent anyone from entering a contaminated area alone.
4. Hydrogen Sulfide gas discipline will be adhered to. When the "MASK ON" requirements exist, THERE ARE NO EXCEPTIONS.
5. Personnel will not remove the breathing equipment until tests indicate that the atmosphere is safe to breathe and all clear is announced.
6. In the event of SUDDEN GAS RELEASE with no advance warning, personnel will be instructed to take the following general actions:
  - a. Hold Breathe (do not breathe).
  - b. Put on Protective Breathing Equipment.
  - c. Help any Person(s) in Distress.
  - d. Proceed to the Designated Safe-Briefing Area and Secure Instructions from Supervisor.
  - e. DO NOT PANIC.
  - f. If Conditions Warrant, Driller will Secure Rig, Stop Motion of Rig, and Close Blowout Preventers.
  - g. Schooling and Instructions to all Personnel on site concerning Hydrogen Sulfide Safety will be conducted by Envirosafe, Inc. Instructors.

NOTE: PUT ON YOUR BREATHING EQUIPMENT BEFORE ATTEMPTING A RESCUE. YOU, TOO, CAN BECOME A VICTIM.

## SAFETY TRAINING

1. H<sub>2</sub>S safety training will be given to all personnel at 1,000 feet above the expected H<sub>2</sub>S formation. The training sessions will cover, but will not be limited to, the following:

- a. General information on H<sub>2</sub>S and SO<sub>2</sub> gas.
- b. Hazards on these gases.
- c. Safety equipment on location.
- d. Proper use and care of personal protective equipment.
- e. Operational procedures in dealing with H<sub>2</sub>S gas.
- f. Evacuation procedures.
- g. Chemicals to be used in mud to control H<sub>2</sub>S.
- h. First aid, reviving and H<sub>2</sub>S victim, toxicity, etc.
- i. Designated safe briefing areas (S.B.A.)
- j. Metallurgical considerations.

NOTE:

- #1 Drills will be of the designated drilling company's BOP training, including mask up situation.
- #2 Once H<sub>2</sub>S Safety Procedures are established on location no beards or facial hair which will interfere with face seal or mask will be allowed on location.

2. When H<sub>2</sub>S alarm is activated:

- a. Mask up.
- b. Rise tool joint above the rotary table and shut down pump.
- c. Close-in hydrill.
- d. Go to S.B.A.

## BLOW OUT PREVENTER TESTING -- HIGH PRESSURE TEST

- I. The Blow-Out Preventer Manifold for hydraulically operated equipment shall be readily accessible on the drilling rig floor and each individual pressure control properly identified by signs.
- II. Two sources of high pressure fluid shall be provided to operate the equipment.
- III. Accumulator unit is to be located away from rig floor and not under rig floor or engine substructure. One remote control station will be on rig floor for immediate use.
- IV. All blow-out prevention equipment is to be tested as per TRANSCO Specs. The preventers are to be tested using either a plug type packet which sets in the slip bowl of the casing head or a cup type packet may be run on a joint of drill pipe just into the top of the casing where the casing is backed up by slips. Casing is not to be subjected to this blow-out preventer test pressure.
- V. All ram preventers and hydraulically operated valves shall be operated once daily on alternating tours. When the pipe is out of the hole operate the blind rams, master gate and locking screws as well as the preventer with pipe rams.
- VI. All blow-out preventer flanges are to be cleaned with kerosene, dried with a clean rag, inspected and made up dry. A small amount of SAE 10 oil will be wiped on the ring gaskets. A company man and the toolpusher will witness these assemblies.
- VII. After nipping up and when testing the preventers with a plug type packer, the bracehead valve must be in the open position.

BLOW-OUT PREVENTER CHECK LIST

HIGH PRESSURE TEST

DATE \_\_\_\_\_

DRILLING CONTRACTOR \_\_\_\_\_ COMPANY RIG NO. \_\_\_\_\_

FIELD \_\_\_\_\_

LEASE \_\_\_\_\_ WELL NO. \_\_\_\_\_

CHECK TEST OR TESTS MADE: \_\_\_\_\_

ROUTINE CASING \_\_\_\_\_ CASING TEST WITH PACKER \_\_\_\_\_ BOLL WEEVIL PACKER \_\_\_\_\_

TIME \_\_\_\_\_ TIME \_\_\_\_\_ TIME \_\_\_\_\_

PRESSURE DROP: YES \_\_\_\_\_ HOW MUCH \_\_\_\_\_ NO \_\_\_\_\_

LEAKS: CHECK CORRECT ANSWER:

RING GASKETS.....YES \_\_\_\_\_ NO \_\_\_\_\_

RAMS.....YES \_\_\_\_\_ NO \_\_\_\_\_

HYDRIL.....YES \_\_\_\_\_ NO \_\_\_\_\_

CASING HEAD VALVE.....YES \_\_\_\_\_ NO \_\_\_\_\_

SPOOL OUTLET VALVE.....YES \_\_\_\_\_ NO \_\_\_\_\_

CLOSING LINES AND CONNECTIONS.....YES \_\_\_\_\_ NO \_\_\_\_\_

FLOW LINES AND CONNECTIONS.....YES \_\_\_\_\_ NO \_\_\_\_\_

ALL BOLTS AND NUTS TIGHT.....YES \_\_\_\_\_ NO \_\_\_\_\_

PRESSURE GAUGE READING

REMOTE CONTROLS AND LOCKING WHEELS

OPERATING CONTROL MANIFOLD

ACCUMULATOR

ACTUATING PUMPS



IF LEAKS WERE FOUND IN ANY OF THE ABOVE, HOW WERE THEY CORRECTED?

-----  
-----  
-----

-----  
DRILLER

-----  
DRILLING FOREMAN

OIL COMPANY REPRESENTATIVE

TITLE

NOTE: All preventers are to be checked for operation, i.e., closing and opening and including locking screws, daily and on alternating tours. Pressure testing is required immediately after installation.

## DRILLSITE LOCATION

1. The DRILLING RIG should be situated on location such that prevailing winds blow across the rig toward the reserve pit or at right angles to a line from the rig to the reserve pit.
2. The entrance to the location should be designed so that it can be barricaded if Hydrogen Sulfide emergency conditions arise. An auxiliary exit (or entrance) should be available so that in case of a catastrophe, a shift in wind direction would not preclude escape from the location. Appropriate warning signs and flags should be placed at all location entrances.
3. Once H<sub>2</sub>S Safety Procedures are established on location no beards or facial hair which will interfere with face seal or mask will be allowed on location.
4. A minimum of two BRIEFING AREAS will be established not less than 250 feet from the wellhead and in such location that at least one area will be up-wind from the well at all times. Upon recognition of an emergency situation all personnel should assemble at the designated BRIEFING AREAS for instructions.
5. A SAFETY EQUIPMENT TRAILER will be stationed at one of the BRIEFING AREAS. A wind streamer will be attached near the trailer to indicate wind direction.
6. Three windsocks will be installed and wind streamers (6 to 8 feet above ground level) placed at the location entrance. Windsocks shall be illuminated for night-time operators. Personnel should develop wind direction consciousness.
7. The mud-logging trailer will be located away from the shale shaker mud tank and a minimum of 125 feet from the well bore.
8. Shale shaker mud tanks will be located so as to minimize the danger from gas that breaks out of the drilling fluid.
9. Electric power plant(s) will be located as far from the well bore as practical so that it may be used under conditions where it otherwise would have to be shut down.
10. When approaching a depth where Hydrogen Sulfide may be encountered, appropriate warning signs will be posted on all access roads to the location and at the foot of all stairways to the derrick floor.
11. Appropriate smoking areas will be designated and smoking will be prohibited elsewhere.

12. On the rig bulletin board and in the SAFETY EQUIPMENT TRAILER will be posted in clear plastic envelopes, a list of current emergency telephone numbers.

## BREATHING EQUIPMENT

1. Filter-type or cartridge masks do not provide the necessary protection and will not be used in the drilling operations when a Hydrogen Sulfide environment may be encountered.
2. Self-contained breathing equipment will be used in the drilling operations involving a Hydrogen Sulfide environment. Pressure-demand or positive-pressure breathing apparatus will have a Bureau of Mines and/or T.C. (NIOSH) approval.
3. The pressure-demand breathing apparatus will have alarms that signal when air supply is getting low, 425 to 500 psi. This would allow a five to seven minutes escape time.
4. Masks should be stored on racks and protected from the weather. Rig crew equipment will be located at a readily accessible location on the rig floor.
5. The derrickman will have a mask. It will be equipped with a connection through a quick-disconnect from his Cascade System of breathing air so that if he must evacuate the derrick, he will have 5 to 7 minutes of air in his escape air bottle with his mask.
6. For each 30 minutes self-contained unit, one spare airpack bottle will be kept on location or an airpack bottle rechargeable station will be supplied.

### SPECIAL EQUIPMENT

1. A MUD-GAS SEPARATOR will be installed.
2. Flare lines should be as long as practical and securely staked.
3. An automatic Hydrogen Sulfide monitor will be installed with a combination visual and audible alarm system located where it can be seen and/or heard throughout the drilling location. This system will have the capabilities of being activated from three points.
4. The automatic monitor should be set to trigger the drilling location visual/audible alarms when the Hydrogen Sulfide concentration in the atmosphere reaches 20 ppm.
5. Extra equipment will be available if required to provide adequate respiratory protection for all personnel on location.

## INTRODUCTION

HYDROGEN SULFIDE GAS (H<sub>2</sub>S) is a toxic, poisonous gas that is a growing concern in the oil patch. New fields are being developed and old fields are being treated in areas where H<sub>2</sub>S can be expected to increase probability of exposure. Miners, sewer maintenance crews and blasters also fear this gas.

Federal and State Laws are being implemented which demand greater caution since H<sub>2</sub>S is considered a leading cause of sudden death in the workplace.

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REMEMBER: H<sub>2</sub>S IS A TOXIC POISONOUS  
GAS WHICH CAN BE WORKED IN SAFETY.

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Death and injury from H<sub>2</sub>S exposure are unnecessary. The equipment, training, techniques and procedures to protect workers are available.

The purpose of the training is to provide the worker with basic information he needs to know when working in known or suspect H<sub>2</sub>S areas.

- Hazards and Characteristics
- Physical Effects
- Toxicity
- Detection
- Protection
- Emergency Rescue
- Resuscitators
- First Aid and Artificial Respiration
- Effects on Metal
- Location Safety

Our goal is zero (0) fatalities and injuries from H<sub>2</sub>S exposure.

## HAZARDS AND CHARACTERISTICS

THE PRINCIPAL HAZARD IS DEATH BY INHALATION. When the amount of gas absorbed into the blood stream exceeds that which is readily oxidized, systemic poisoning results, with a general action on the nervous system. Labored respiration occurs shortly and respiratory paralysis will follow immediately at higher concentrations.

Death will occur from asphyxiation unless the exposed person is removed immediately to fresh air and breathing stimulated by artificial respiration. Other levels of exposure may cause the following symptoms individually or in combinations:

1. Headache
2. Dizziness
3. Excitement
4. Nausea
5. Coughing
6. Drowsiness
7. Dryness and sensation of pain in nose, throat and chest.

Detection of H<sub>2</sub>S, solely by smell, is highly dangerous as the SENSE OF SMELL IS RAPIDLY PARALYZED BY THE GAS.

1. Extremely toxic, ranking second to Hydrogen Cyanide and five (5) to six (6) times more toxic than Carbon Monoxide.
2. Colorless.
3. Offensive odor, often described as that of rotten eggs.
4. Heavier than air - specific gravity 1.189 (Air = 1.00 @ 60 degrees F.) Vapors may travel considerable distances to a source of ignition and flashback.
5. Forms an explosive mixture with air in concentrations between 4.3 and 46 percent by volume.
6. Auto-ignition point of 500 degrees F. - Cigarette burns at 1,400 degrees F.
7. Burns with a blue flame and produces Sulphur Dioxide (SO<sub>2</sub>), which is less hazardous than H<sub>2</sub>S, but very irritating to eyes and lungs and can cause serious injury. Chemical pneumonia can develop in a few hours.
8. Soluble in both water and liquid hydrocarbons.
9. Produces irritation to eyes, throat, and respiratory system.
10. Threshold Limit Value (TLV) - Maximum eight (8) hours exposure without respiratory equipment - 20 PPM.

11. Corrosive to all electrochemical series metals.
12. Boiling point (-79 degrees F).
13. Melting point (-117 degrees F).



COMMON NAME	CHEMICAL FORMULA	SPECIFIC GRAVITY (SG) SG AIR = 1	THRESHOLD <sup>1</sup> LIMIT	HAZARDOUS <sup>2</sup> LIMIT	LETHAL <sup>3</sup> CONCENTRATION
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/hr	300 ppm
Hydrogen Sulfide	H <sub>2</sub> S	1.18	10 ppm <sup>4</sup> 20 ppm <sup>5</sup>	250 ppm/hr	600 ppm
Sulfur Dioxide	SO <sub>2</sub>	2.21	5 ppm	-----	1000 ppm
Chlorine	Cl <sub>2</sub>	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO <sub>2</sub>	1.52	5000 ppm	5%	10%
Methane	CH <sub>4</sub>	0.55	90,000 ppm	Combustible above 5% in Air	

<sup>1</sup>Threshold Limit - concentration at which it is believed that all workers may be repeatedly exposed day after day without adverse effects.

<sup>2</sup>Hazardous Limit - concentration that may cause death.

<sup>3</sup>Lethal Concentration - concentration that will cause death with short-term exposure.

<sup>4</sup>Threshold Limit = 10 PPM - 1972 ACGIH (American Conference of Governmental Industrial Hygienists).

<sup>5</sup>Threshold Limit = 20 PPM - 1966 ANSI acceptable ceiling concentration for eight-hour exposure (based on 40-hour work week) is 20 PPM. OSHA Rules and Regulations (Federal Register, Volume 37, No. 202, Part II, dated October 18, 1972).

There are physical effects you should know about H<sub>2</sub>S.

REMEMBER: 1% = 10,000 Parts Per Million (PPM)

CONCENTRATION			PHYSICAL EFFECTS
Percent (%)	PPM	Grains/ 100 std. ft. 3*	
0.000002	02	.0014	Odor Threshold.
0.001	10	.55	Obvious and unpleasant odor.
0.002	20	1.30	Safe for 8 hours exposure.
<u>WEAR RESPIRATORY PROTECTION OVER 20 PPM</u>			
0.01	100	6.48	Kills smell is 3 to 5 minutes; may sting eyes and throat.
0.02	200	12.96	Kills smell shortly; stings eyes and throat.
0.05	500	32.96	Dizziness; breathing ceases in a few minutes; needs prompt artificial respiration.
0.07	700	45.36	Unconscious quickly; death will result if not rescued promptly.
0.10	1000	64.80	Unconscious at once; followed by death within minutes.

#### CAUTION

Hydrogen Sulfide is a colorless and transparent gas  
and is flammable. It is heavier than air and may  
accumulate in low places.

\*At 15.00 psia and 60 degrees F.

## DETECTION

Knowing the limitations and capabilities of the detection devices can save worker's lives.

When testing, always be prepared for high concentration of gas.

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### CAUTION

DO NOT RELY ON SENSE OF SMELL TO DETECT H<sub>2</sub>S

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Following are some common detection devices:

#### LEAD ACETATE, AMPULES OR COATED STRIPS:

These change color (usually turn brown or black) in the presence of H<sub>2</sub>S. The color change indicates the concentration. For use only in low concentrations of gas. They should be used as an alternate method of detection.

#### HAND-OPERATED TUBE DETECTORS:

This type of detector incorporates a pump, colorimetric detector tube, and a scale that gives a reading of H<sub>2</sub>S. The pump draws air to be tested through the detector tube to react with lead acetate-coated silica gel granules. Presence and amount of gas on the tube is shown by the length of color change on the tube. Read the scale to determine concentration. Special tubes may be used for SO<sub>2</sub> detection and measurement. For workers protection, it is advised that they take frequent readings with this type of detector.

#### PERSONAL ELECTRONIC MONITORS:

The units are usually hand-held or belt-mounted and measure the H<sub>2</sub>S concentration at the sensor head continuously. Monitors give an audible alarm, some readout, at a preset level of H<sub>2</sub>S.

#### FIXED-MONITORING SYSTEMS:

Monitors H<sub>2</sub>S concentration continuously at various locations where sensor heads are placed. Alarms are actuated when concentrations reach set levels. Excessive exposure to water and acetylene gas can set alarms off on some systems.

#### TUTWILER METHOD:

Chemical analysis for determining H<sub>2</sub>S concentrations. The test can be run on very low to high concentrations. Extremely accurate and recommended by various state regulatory agencies.

## PROTECTION

There are three (3) categories of breathing equipment workers will find on location:

1. ESCAPE UNIT (an air capsule)
2. WORK UNIT (air line with escape bottle)
3. RESCUE UNIT (30 minutes which can also be used for work)

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BEYOND 20 PPM OF H<sub>2</sub>S, ALWAYS  
WEAR THE BREATHING EQUIPMENT

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ESCAPE UNITS are located near work stations. They have a small, self-contained air supply and are designed to give you enough air to reach a safe area in event of an emergency.

WORK UNITS allow workers to work for an extended period in an H<sub>2</sub>S or poison gas environment. They have an air line from a supplied breathable air source. The unit also has an auxiliary self-contained air supply (bottle) for escape.

RESCUE UNITS provide a self-contained (30 minutes) supply of air, usually carried on your back. They weigh about 35 pounds. DO NOT COUNT ON A FULL 30 MINUTES since time will vary with breathing and work. Audible alarm warns when air supply is low. After alarm sounds workers have 5 to 7 minutes of air left. Rescue units may also be used as work units.

Read instructions for care, use maintenance and operation of 30 minute units on location.

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CAUTION  
FACIAL HAIR - GLASSES - ABSENCE OF DENTURES  
COULD CAUSE AN IMPROPER FACE SEAL

CONTACT LENSES SHOULD NOT BE WORN IN CONTAMINATED  
ATMOSPHERES WITH SUPPLIED AIR RESPIRATORS

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Workers breathing equipment will protect them only when they use it properly. They must care for it, maintain it, and insure they can get a good face seal at all times.

## EMERGENCY RESCUE

The Buddy System should be implemented, if possible.

1. Put on proper rescue respiratory equipment.
2. Move the victim to fresh air at once....UPWIND or CROSSWIND.
3. If victim is unconscious and breathing has stopped, apply mouth-to-mouth respiration immediately and continue until a resuscitator is brought in, or normal breathing is restored.
4. After reviving a victim - NEVER leave him alone.
5. Call the Doctor.

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### REMEMBER:

Cool-headed action in rescue is critical.  
It is the ONLY HOPE for the victim, and  
it is the only hope for the rescuer, as well.  
**YOU CAN NOT RESCUE HIM IF YOU ARE NOT PREPARED!**

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## RESUSCITATORS

To operate the oxygen resuscitator:

Place a blanket under the victim's shoulders - to open the airway. Open the oxygen supply by turning valve on top of supply bottle to the right. On the mouthpiece you will find a green or red push button. Place the mask over the victim's nose and mouth and press the button to supply oxygen to his lungs. When the victim's lungs expand, release the button so the victim can exhale. Repeat this procedure at the rate of about twelve (12) times per minute. The supply setting on the mask should be in the OFF position.

---

Oxygen applied to a greasy face will burn where it is greasy.

NO SMOKING for AT LEAST THIRTY (30) MINUTES after  
being on oxygen.

---

## FIRST AID & ARTIFICIAL RESPIRATION

---

### REMEMBER

Artificial Respiration must always be started as rapidly as possible, because the average person may die in six (6) Minutes or less if his oxygen supply is cut off. It is often impossible to tell exactly when a person has stopped breathing. He may be very near death when you first discover him.

---

### ARTIFICIAL RESPIRATION (Mouth-to-Mouth)

Place the victim on his back. If foreign matter is visible in the victim's mouth, wipe it out with your finger. Place one of your hands under his neck, the other on this forehead, and tilt his head backward to open the airway.

Maintain the backward head-tilt and pinch the victim's nostrils shut with the thumb and forefinger of your hand that is pressing on the forehead.

Open your mouth widely, take a deep breath, seal your mouth tightly around the victim's mouth and blow into the victim's mouth. Volume is important. You should provide at least one breath every five seconds, or twelve per minute. If the victim's airway is clear only moderate resistance to the blowing effort will be felt.

If the stomach rises, gently press on it to remove the air, it is recommended that the victim's head be turned to one side before doing this.

Watch the victim's chest. When you see it rise, stop blowing. Raise your mouth and turn your head to the side and listen for exhalation. Watch the victim's chest to see that it falls. As the victim attempts to breathe, coordinate your blowing with his breathing. NEVER LEAVE THE VICTIM ALONE; have someone else contact a doctor.

## EFFECTS ON METAL

Hydrogen Sulfide is very corrosive to all electrochemical series metals. It can also cause hydrogen embrittlement in steel pipe having a tensile strength of 95,000 psi or more.

Blistering and pitting are two other signs of corrosion that can indicate the presence of H<sub>2</sub>S.

Metal components used in H<sub>2</sub>S service or potential H<sub>2</sub>S areas should be those manufactured to resist Sulfide Stress Cracking (SSC). SSC is a corrosive action causing unsuitable metals to crack under normal operations.

Sulfide stress cracking of steel is dependent upon:

1. Strength (hardness) of the steel - the higher the strength, the greater the susceptibility to sulfide stress cracking. Steels having yield strengths up to 95,000 psi and hardnesses up to Rc22 are generally resistant to sulfide stress cracking. These limitations can be extended slightly higher for properly quenched and tempered materials.
2. Total member stress (load) - higher the stress level (load) the greater the susceptibility to sulfide stress cracking.
3. Corrosive environment - corrosive reactions, acids, bacterial action, thermal degradation, or low PH fluid environment.

API and NACE set down the requirements of the metals to be used in H<sub>2</sub>S service.

## LOCATION SAFETY

WARNING SIGNS - "NO SMOKING" signs should be strategically located around the rig and location. The following locations are appropriate: in the doghouse, on the rig floor, around the substructure, lower landing of all stairs leading to rig floor, mud pits, shale shaker. Designated smoking areas should be set up on all locations.

"POISON GAS" signs should be placed at strategic points on the location, such as: entrance to the location, lower landing of all stairs to rig floor, and all areas around substructure.

BUDDY SYSTEM - When H<sub>2</sub>S reaches high risk concentration, workers should team together and work in pairs (Buddy System). The system is effective only if the workers stay together, and are watching for early signs of H<sub>2</sub>S poisoning.

LANYARDS AND SAFETY BELTS - If the distance between buddies must be extended more than arms length, a lifeline should be secured between them. The lifeline should be at least 400 lb. test, soft, fire-resistant rope. Also, in high-risk work areas such as inside vessels, tanks, or in a cellar, workers should have a lifeline.

CASCADE SYSTEM - is a supplied breathing air system manually consisting of 360 cu. ft. compressed air bottles interconnected to provide breathing air to the workers. The system is set up with regulator to reduce the air pressure going to the work area. From a cascade system low pressure hose(s) connect to the manifold(s) into which each worker can connect the hose line for his work-escape units (breathing equipment).

BRIEFING AREAS - Each drilling and workover location usually provides at least 2 (two) briefing areas. The upwind Briefing Area is the protection center in the event of an H<sub>2</sub>S emergency. These are the areas where rescue and work units, in addition to other safety equipment, are usually stored and maintained.

WINDSOCKS - STREAMERS - Wind will disperse H<sub>2</sub>S very rapidly. Windssocks or streamers should be installed around the location for determining prevailing wind and present wind direction. API RP-49 states that, "a windssock should be installed on the top of the derrick and at least three sets of wind streamers or streamer poles should be displayed; one set at the location entrance and one set at each of the briefing areas." ALL PERSONNEL ON LOCATION SHOULD DEVELOP WIND DIRECTIONS CONSCIOUSNESS.

BUG BLOWERS - Large blowers or fans may be used to disperse H<sub>2</sub>S vapors. In calm and extremely light winds, bug blowers are effective in reducing H<sub>2</sub>S concentrations in the work area. Bug Blowers should be non-spark, explosion-proof type. Often bug blowers are hooked up in conjunction with the H<sub>2</sub>S alarm system to come on automatically when H<sub>2</sub>S concentrations reach a set level.

FLARE GUN - In the event of an H<sub>2</sub>S gas release, and after all measures to shut in the well or repair the source of release have failed, and the public is in danger, then the flare gun could be used to ignite the source of H<sub>2</sub>S. Also, in the event of failure of the flare pilot light, the flare gun could be used.



	<u>Grains per 100 Cu. Ft.</u>	<u>P.P.M. by Volume</u>	<u>Volume Percent</u>	<u>Pounds per Million Cu. Ft.</u>	<u>Weight Percent</u>
Grains per 100 Cu. Ft.	1.000000	15.900	.0051900	1.428570	.002330
P.P.M. by Volume	.062878	1.000	.0001000	.089824	.000147
Volume Percent	628.780000	10000.000	1.0000000	898.24999	1.465300

CONVERSION TABLE FOR HYDROGEN SULFIDE

## H2S CONTINGENCY PLAN

### PROCEDURAL CHECK LIST

#### Perform Each Tour:

1. Check fire extinguishers to see that they have the proper charge.
2. Check breathing equipment mask assembly to see that straps are loosened and turned back, ready to put on.
3. Check pressure on breathing equipment air bottles to make sure they are charged to full volume.
4. Check pressure on supply air bottles to see that they are capable of recharging.
5. Check pressure on drill pipe gauge on auxiliary panel for choke manifold to see that it is in pressure communication with primary panel.
6. Make sure all H2S detection system is operative.

#### Perform Each Week:

1. Check each piece of breathing equipment to make sure that demand regulator is working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you get air.
2. Blowout preventer drills.
3. Check nitrogen supply pressure on BOP accumulator stand-by source.
4. Check butane supply for burn fit for volume and to make sure 1" line is not plugged. Check automatic ignition system.
5. Check all Ska-Pac units for operation: demand regulator, escape bottle air volume, supply bottle air volume.
6. Check breathing equipment mask assembly to see that straps are loosened and turned back ready to put on.
7. Check pressure on breathing equipment air bottles to make sure they are charged to full volume.
8. Check breathing equipment air bottles to make sure all demand regulators are working. This requires that the bottle be opened and the mask assembly be put on tight enough so that when you inhale, you get air.

PROCEDURAL CHECK LIST - Continued

9. Confirm pressure on all supply air bottles.
10. Perform breathing equipment drills with on-site personnel.
11. Check oxygen resuscitator for pressure on oxygen bottle and make sure demand regulator is working.
12. Check the following supplies for availability:
  - a. Stretcher.
  - b. Flare gun and flares.
  - c. Emergency telephone lists.
  - d. Spare oxygen bottles.
  - e. Bendix detectors and tubes.

# H2S CONTINGEN PLAN

STATUS CHECK: 1ST

NOTE: ALL ITEMS ON THIS LIST MUST BE COMPLETED BEFORE PENETRATING THE FORMATION.

ITEM	DESCRIPTION	CHECK	BY	DATE
1.	Sign at lease entrance			
2.	Sign at location entrance			
3.	Three (3) wind socks located as required			
4.	Wind streamers displayed			
5.	30-minute pressure demand air pack on location for all supervisory personnel and mud loggers			
6.	Work/escape units for all crew personnel on location			
7.	Air packs inspected for ready use			
8.	Cascade system and hose lines hook-up			
9.	Cascade system for refilling air bottles			
10.	Choke manifold and remote control hooked up and tested			
11.	Mud-Gas separator hooked up as required			
12.	Remote BOP control hooked up and tested			
13.	Vent line installed as required			
14.	BOP preventor tested			
15.	Mud engineer on location with equipment to test mud for H2S			
16.	Safe breathing areas set up			

HYDROGEN SULFIDE OPERATIONS CHECKLIST FOR  
U.S.G.S.

1. Are number and locations of safe briefings adequate?
2. Are footpaths to briefing areas marked, lighted, and unobstructed?
3. Are H<sub>2</sub>S safety instructions and contingency plan posted?
4. Are no smoking rules enforced?
5. Is required personnel safety equipment available?  
(Protective breathing apparatus) (Resuscitator) (Portable H<sub>2</sub>S detectors) (First-Aid Kit)
6. Have weekly H<sub>2</sub>S drills been held and recorded on drillers' log?
7. Is H<sub>2</sub>S detection and monitoring equipment properly installed with sensing points at critical locations?
8. Is wind direction equipment installed?
9. Are danger signs and flags available?
10. Is kill line installed to safe area?
11. Is flare system installed and operable?
12. Is mud/gas separator installed and operable?
13. Are explosion-proof ventilation fans available for use?
14. Is pH of water base mud maintained at 10.0 or above?
15. Is mud system treated with H<sub>2</sub>S neutralizing additive?

## THE USE OF SELF-CONTAINED BREATHING EQUIPMENT

1. Written procedures shall be prepared covering safe use of respirators in dangerous atmospheres which might be encountered in normal operations or in emergencies. Personnel shall be familiar with these procedures and the available respirators.
2. Respirators shall be inspected frequently at random to insure that they are properly used, cleaned and maintained.
3. Anyone who may use the respirators shall be trained in how to insure proper face piece to face seal. They shall wear respirators in normal air and then wear it in a test atmosphere. (Note: such items as facial hair, beard or sideburns, and eyeglass temple pieces will not allow a proper seal.) Anyone that may be reasonably expected to wear respirators should have these items removed before entering a toxic atmosphere. A special mask must be obtained for anyone who must wear eyeglasses. Contact lenses should not be allowed.
4. Maintenance and care of respirators:
  - A. A program for maintenance and care of respirators shall include the following:
    1. Inspection for defects, including leak checks.
    2. Cleaning and disinfecting.
    3. Repair.
    4. Storage.
  - B. Inspection: Self-contained breathing apparatus for emergency use shall be inspected monthly for the following and a permanent record kept of these inspections.
    1. Fully charged cylinders.
    2. Regulator and warning device operation.
    3. Condition of face piece and connections.
    4. Elastometer or rubber parts shall be stretched or massaged to keep them pliable and prevent deterioration.
  - C. Routinely used respirators shall be collected, cleaned, and disinfected as frequently as necessary to insure proper protection is provided.
5. A person assigned a task that requires the use of self-contained breathing equipment shall be certified physically fit for breathing equipment usage by the local physician at least annually.

SELF-CONTAINED BREATHING EQUIPMENT - Continued

6. Respirators should be worn when:

- a. Any employee works near the top or on top of any tanks unless test reveals less than 20 PPM of H<sub>2</sub>S.
- b. When breaking out any line where H<sub>2</sub>S can reasonably be expected.
- c. When sampling air in areas to determine if toxic concentrations of H<sub>2</sub>S exist.
- d. When working in areas where over 20 PPM H<sub>2</sub>S has been detected.
- e. At any time there is a doubt as to the H<sub>2</sub>S level in the area to be entered.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
4241 STATE OFFICE BUILDING  
SALT LAKE CITY, UTAH 84114  
533 5771

State Lease No. \_\_\_\_\_  
Federal Lease No. \_\_\_\_\_  
Indian Lease No. \_\_\_\_\_  
Fee & Pat. Fee \_\_\_\_\_

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Wilcox 1-10

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
December 19 84

Agent's Address P.O. Box 1396  
Houston, Texas 77251  
Phone No. (713) 439-3502

Company FXP Operating Company  
Signed John Rosata, Jr.  
Title Supervisor-Regulatory & Environmental Affairs

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 10 SW NE	29S	24E	1-10	0	0	0	0	0	0	API No: 43-037-31097 Supdded: 12-22-84 TD: 3972' P & A: 12-31-84 Drove 13-3/8" casing to 80'. Drilled to 2192'. Ran 52 jts. of 9-5/8" K-55, 36#, LTC casing. Set same at 2191'. Cemented w/600 sxs. of Howco lite & 200 sxs of Class B. Tested casing to 1800 psi. Tested formation at 2192' w/8.4 ppg. mud. EMW 10.5 ppg. Drilled to 3972'. Logged from 3971'- 2191'. Permission granted by John Baza on 12-31-84 to install flange cap on well and convert to fresh water well. Mr. Wilcox, surface owner, accepts responsibil- ity for same. Rig released at 2400 hours on 12-31-84.

GAS: (MCF)

Sold \_\_\_\_\_  
Flared/Vented \_\_\_\_\_  
Used On/Off Lease \_\_\_\_\_

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month \_\_\_\_\_  
Produced during month \_\_\_\_\_  
Sold during month \_\_\_\_\_  
Unavoidably lost \_\_\_\_\_  
Reason \_\_\_\_\_  
On hand at end of month \_\_\_\_\_

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. THIS REPORT MUST BE FILED IN DUPLICATE.

Note: The API number must be listed on each well





## PRINT DISTRIBUTION LIST

CUSTOMER TRANSCO EXPLORATION CORPORATION Field WILDCATWell Name WILCOX 1-10 County SAN JUAN State UTAHType of Logs Distributed BHCS/DIL/GR W.E.L./CDL/CNL/GR Date 12-30-84This Distribution List Authorized By TRANSCO EXPLORATION CORPORATIONOriginal Log(s) Retained by Gearhart Ind., Inc., Pending Possible Other Runs ☐

The Original Log(s) and Distribution List Sent to:

Company \_\_\_\_\_

Person \_\_\_\_\_

Address \_\_\_\_\_

No. Of  
Copies  
Of Each  
LogNo. Of  
Copies  
Of Each  
Log

ilm  
2 COMPANY TRANSCO EXPLORATION CORP  
PERSON Bruce Wiley  
ADDRESS 1700 Lincoln St-Suite 2100  
Denver, CO.80203

COMPANY  
PERSON  
ADDRESS

## CONFIDENTIAL

1 COMPANY State Of Utah, Div. oil, Gas &  
PERSON Mining  
ADDRESS 4241 State Office Bldg  
Salt Lake City, UT.84114

COMPANY  
PERSON  
ADDRESS

1 COMPANY Louisiana Land & Exploration  
PERSON Bob Sellers-Great West LifeTw  
ADDRESS 1675 Broadway, Suite 2100  
Denver, CO.80202

COMPANY  
PERSON  
ADDRESS

2 COMPANY Tenneco Oil Company  
PERSON 6162 S. Willow Dr  
ADDRESS Englewood, CO.80155

COMPANY  
PERSON  
ADDRESS

Attn: Mick Hartsell

1 COMPANY Petro Atlas Corporation  
PERSON James Harden II  
ADDRESS 999 18th St, Suite 2908  
Denver, CO.80202

COMPANY  
PERSON  
ADDRESS

2 COMPANY Marathon Oil Company  
PERSON Mark Peterson  
ADDRESS P.O. Box 2659  
Casper, WY.82602

COMPANY  
PERSON  
ADDRESS

Prints Mailed From Farmington, NM.87401 1-9-85This Distribution List Completed By Jimmie Cooper/Dftsmn-P.C.



**TXP Operating Company**

A Limited Partnership

Transco Exploration Company, Managing General Partner

2800 Post Oak Boulevard  
P. O. Box 1396  
Houston, Texas 77251  
713-439-2000

RECEIVED

FEB 27 1985

February 25, 1985

DIVISION OF OIL  
GAS & MINING

Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 West North Temple  
Three Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: John Baza

RE: TXP-Wilcox #1-10  
Wildcat Field  
Section 10, T29S, R24E  
San Juan County, Utah

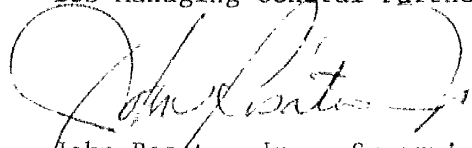
Gentlemen:

Attached in triplicate is the Well Completion Report for the above referenced well. The open-hole logs have been previously submitted to you under separate cover.

If you require additional information, please contact me at (713) 439-3502.

Sincerely,

TXP OPERATING COMPANY  
By Transco Exploration Company  
its Managing General Partner



John Rosata, Jr. - Supervisor  
Regulatory and Environmental Affairs

JRJ/CS/cs

Attachments

**RECEIVED**  
(See other instructions  
on reverse side)

56 64 01 17

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

FEB 27 1985

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR TXP Operating Company (713) 439-3502 by: Transco Exploration Co. ATTN: John Rosata, Jr.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---	
3. ADDRESS OF OPERATOR P.O. Box 1396, Houston, Texas 77251		7. UNIT AGREEMENT NAME ---	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2031' FNL & 1984' FEL of Section 10 (SWNE) At top prod. interval reported below At total depth SAME		8. FARM OR LEASE NAME TXP - Wilcox	
14. PERMIT NO. 43-037-31097		9. WELL NO. 1-10	
DATE ISSUED 11-06-84		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUDDED 12-22-84		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 10, T29S, R24E	
16. DATE T.D. REACHED 12-29-84		12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 12-31-84		13. STATE Utah	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* Conversion to 6767' GL; 6781' RKB		19. ELEV. CASINGHEAD ---	
20. TOTAL DEPTH, MD & TVD 3972' drlr		21. PLUG, BACK T.D., MD & TVD ---	
22. IF MULTIPLE COMPL., HOW MANY? ---		23. INTERVALS DRILLED BY 10-3972'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Not Applicable		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN BHC, Sonic, GR, DDC/CNL, Dual Induction-Laterolog, Caliper, SP, Log-Log		27. WAS WELL CORRED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
13-3/8"	drive pipe	80'	---
9-5/8"	36#/ft	2191'	12-1/4"
CEMENTING RECORD		AMOUNT PULLED	
w/125 sacks		---	
w/800 sacks		---	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
---	---	---	---
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
---	---	---	
31. PERFORATION RECORD (Interval, size and number)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
---		---	
---		---	
---		---	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
---		---	
DATE OF TEST		WELL STATUS (Producing or shut-in) Conversion to fresh water well	
HOURS TESTED		---	
CHOKER SIZE		---	
PROD'N. FOR TEST PERIOD		---	
OIL—BBL.		GAS—MCF.	
---		---	
FLOW. TUBING PRESS.		WATER—BBL.	
CASING PRESSURE		GAS-OIL RATIO	
CALCULATED 24-HOUR RATE		---	
OIL—BBL.		---	
GAS—MCF.		---	
WATER—BBL.		---	
OIL GRAVITY-API (CORR.)		---	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
TEST WITNESSED BY 851001			
35. LIST OF ATTACHMENTS			
Open-hole logs, mud-logs, and wellsite geologist's report sent directly (Gearhart transmittal)			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <u>Dee [Signature]</u>		TITLE <u>Drilling Superintendent</u>	
DATE <u>01-25-85</u>		---	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Seals Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

## 27. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Lost some circulation and added LCM in Navajo (1570-1840) and in Wingate (2191-2512), and possibly Cutler Siltstone Member (3002-3569).			
White Rim member of Cutler Fm. flowed fresh water (400 ppm chl.) From 3570-3972, initially at a rate of 7 bbls. water/min to 3820' by flowmeter and increasing to 12.8 bbls water/min at 3972 TD by flowmeter. No stain, fluorescence or cut or hotwire or chromatograph increase. Shut-in surface pressure 320 lbs. at TD 3972'.			
No cores or drill stem tests run.			

## 35.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAN. DEPTH	TRUE VERT. DEPTH
Morrison	443	Same
Entrada	1043	
Navajo	1525	
Kayenta	1957	
Wingate	2175	
Chinle	2512	
Shinarump	2932	
Moenkopi	2985	
Cutler Fm., Siltstone member	3002	
Cutler Fm., White Rim mem.	3569	
Total Depth	3972	



**TXP Operating Company**

A Limited Partnership

Transco Exploration Company, Managing General Partner

2800 Post Oak Boulevard  
P. O. Box 1396  
Houston, Texas 77251  
713-439-2000

January 25, 1985

Department of Natural Resources  
Division of Oil, Gas, and Mining  
355 West North Temple  
Three Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED

FEB 27 1985

DIVISION OF OIL  
GAS & MINING

Attention: John Baza

Regarding: TXP-Wilcox #1-10  
Wildcat Field  
Section 10, T29S, R24E  
San Juan County, Utah

Gentlemen:

Attached in triplicate are two Sundry Notices for the above referenced well. One is for restoration of the location and the other is for conversion to a fresh water well. A Report of Operations and Well Status Report, in duplicate, is also being filed. The Well Completion Report will be filed under separate cover.

If you require additional information, please contact me at (713) 439-3502.

Sincerely,

TXP OPERATING COMPANY

By: Transco Exploration Company  
Its Managing General Partner

John Rosata, Jr. - Supervisor  
Regulatory and Environmental Affairs

JRJ/lb

Attachments

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

(MFI IN TRIPLICATE)  
(Other instructions on  
reverse side)

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Conversion to fresh water well		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR TXP OPERATING COMPANY (713) 439-3502		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 	
3. ADDRESS OF OPERATOR By: Transco Exploration Company ATTN: John Rosata, Jr. P. O. Box 1396 Houston, Texas 77527		7. UNIT AGREEMENT NAME 	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2631' ENL & 1984' FEL of Section 10(SW $\frac{1}{4}$ NE $\frac{1}{4}$ )		8. FARM OR LEASE NAME TXP - Wilcox	
14. PERMIT NO. 43-037-31097		9. WELL NO. 1-10	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6767' (ground elevation)		10. FIELD AND POOL, OR WILDCAT Wilcox	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 10, T29S, R24E	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH San Juan	
18. STATE Utah		13. COUNTY OR PARISH San Juan	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Convert to fresh water well <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD: 3972'

13-3/8" Culvert pipe to 80'. Cemented w/125 sacks  
9-5/8" Casing set at 2191'. Cement w/800 sacks  
8-1/2" Hole drilled to TD.

Verbal approval granted by John Baza on 12-31-84 to install flange cap on well and convert to fresh water well. Mr. Wilcox, surface owner, accepts responsibility for same. Rig released at 2400 hours on 12-31-84.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 3/1/85  
BY: John R. Baza

18. I hereby certify that the foregoing is true and correct

SIGNED Don Stewart

TITLE Drilling Superintendent

DATE 01-25-84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Converts to fresh water well		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR TXP Operating Company (713) 439-3502 by: Transco Exploration Co. ATTN: John Rosata, Jr.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---
3. ADDRESS OF OPERATOR P.O. Box 1396, Houston, Texas 77251		7. UNIT AGREEMENT NAME ---
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  2031' FNL & 1984' FEL of Section 10 (SWNE)		8. FARM OR LEASE NAME TXP - Wilcox
14. PERMIT NO. 43-037-31097		9. WELL NO. 1-10
15. ELEVATIONS (Show whether DF, AT, OR, etc.) 6767' (ground elevation)		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 10, T29S, R24E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

10. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Restoration of Location <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

The subject location was cleaned up and rehabilitated pursuant to the landowner's stipulations with the work completed on January 11, 1985. TXP Operating Company requests that this site be inspected.

18 I hereby certify that the foregoing is true and correct

SIGNED



TITLE Drill-in Superintendent

DATE 01-23-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

COMMENTS OF APPROVAL, IF ANY:



**TXP Operating Company**

**A Limited Partnership**

Tranco Exploration Company, Managing General Partner

One United Bank Center  
1700 Lincoln, Suite 2100  
Denver, Colorado 80203  
303-863-3600

RECEIVED

MAR 23 1985

DIVISION OF OIL  
GAS & MINING

March 22, 1985

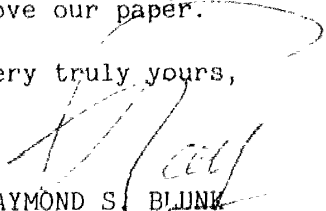
John Baza  
Division Of Oil, Gas and Minerals  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84114

Dear John:

I'm sending a copy of our Release on the captioned well wherein Max C. Wilcox, Roberta G. Wilcox and Michael L. Wilcox have agreed to assume all liability regarding our obligations to the State of Utah for the captioned well plus assumption of the obligation to properly plug the captioned well when its use has been expended.

I'd appreciate your sending me a letter, John, advising that this is satisfactory to the State of Utah and releasing TXP Operating Company from all obligations. You'll recall we spoke of this several weeks ago but it does take us awhile to move our paper.

Very truly yours,

  
RAYMOND S. BLUM  
Area Land Manager

RSB/sas

Enclosures



RELEASE OF WELL KNOWN AS  
THE TXP #1-10 WILCOX WELL

THE STATE OF UTAH            )  
                                  ) .    KNOW ALL MEN BY THESE PRESENTS:  
COUNTY OF SAN JUAN        )

THAT TXP OPERATING COMPANY, whose address is 1700 Lincoln Street, Suite 2100, Denver, Colorado 80203, hereinafter called "Grantor", in consideration of the sum of TEN DOLLARS (\$10.00) and other valuable consideration paid by the Grantees herein, the receipt of which is hereby acknowledged by Grantor, and for and in consideration of the covenants and agreements of Grantees as stated below, has GRANTED, SOLD and FOREVER QUITCLAIM to WILCOX RANCHES, a Utah Partnership, by MAX C. WILCOX, ROBERTA G. WILCOX and MICHAEL L. WILCOX, General Partners, herein called "Grantees", all of the Grantor's interest in the well known as the TXP #1-10 Wilcox Well (the "Well") including all wellhead equipment and casing contained therein, located approximately 1980 feet from the East line and 1980 feet from the North line (SW/4NE/4) of Section 10, Township 29 South, Range 24 East, San Juan County, Utah.

This Release of the Well is subject to the following covenants and obligations of the Grantees herein:

1. Grantees have agreed and hereby agree to assume, discharge and comply with all laws concerning the Well and all obligations to the Utah Oil, Gas and Mining Division (or any other federal, state, county, city or other governmental agency having jurisdiction) concerning the Well and to comply with all of the rules and regulations with respect to the Well, including, without limitations, Rules D-1, 2, 3 and 4 of the Utah Oil and Gas Conservation General Rules and Regulations.

2. Grantees covenant and agree not to produce any oil, gas or other minerals from the well covered hereby and if this covenant or obligation is breached, Grantor shall have the right to a reassignment of the Well and such right is hereby given to Grantor by Grantees. Any production or production proceeds from such Well received by Grantees in violation of the aforesaid covenant shall be received in trust by Grantees for Grantor and immediately paid or delivered to Grantor.

3. Grantees herein agree, at their expense, to plug and abandon the Well when it is no longer in use, to obtain all permits and agreements from the Utah Division of Water Rights for use of the Well as a water well, and Grantees agree to indemnify and hold Grantor harmless from any loss, damage, claim, cost and/or expense incurred by Grantor with respect to Grantees' use of the Well and/or Grantees; breach hereof, including attorney's fees, court costs and expenses incurred in connection with defending against any such claim or enforcing Grantor's rights hereunder.

4. Grantees accept the Well in its present condition, "as is" and "with all faults", and Grantees agree that there is no warranty of condition included herein, either express or implied.

on March 1, 2005 or After

5. As part of the consideration of this Release, Grantee hereby agrees and grants to Grantor the right to take and use water from this well for any future drilling for oil and gas prospects in the immediate area and Grantee further grants Grantor the rights of ingress and egress across Grantee's land for the purpose of taking water. The rights granted in this paragraph shall only be in force and effect if the Grantee obtains appropriate governmental approval for the appropriation of water and shall terminate when the well no longer produces water.

The covenants and agreements of the parties hereto shall inure to the benefit of and be binding upon their respective heirs, successors and assigns.

ATTEST:

GRANTOR

TXP OPERATING COMPANY, a limited partnership

By: Transco Exploration Company,  
its Managing General Partner

By

Title: Wesley S. McAllister  
Vice President-Land

GRANTEES

WILCOX RANCHES, a Utah Partnership

, whichever occurs first.

By

Max C. Wilcox  
Max C. Wilcox, General Partner

By

Roberta G. Wilcox  
Roberta G. Wilcox, General Partner

By

Michael L. Wilcox  
Michael L. Wilcox, General Partner

~~THE STATE OF TEXAS~~

~~COUNTY OF HARRIS~~

BERFORE ME, the undersigned authority, on this day personally appeared \_\_\_\_\_

\_\_\_\_\_ of Transco Exploration Company, a Delaware corporation, known to me to be the person whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and consideration therein expressed, in the capacity therein stated and as the act and deed of said corporation.

GIVEN under my hand and seal of office, this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 1985.

Notary Public, State of Texas  
Address \_\_\_\_\_

~~My Commission Expires \_\_\_\_\_~~

THE STATE OF UTAH )  
COUNTY OF GRAND )  
~~SAN JUAN~~ )

BEFORE ME, the undersigned authority, on this day personally appeared Max C. Wilcox, known to me to be the person whose name is subscribed to the foregoing instrument, and he acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office, this 7th day of February, A.D. 1985.

L. Robert Anderson  
Notary Public, State of Utah  
Address Monticello, Utah

My Commission Expires January 3, 1987

THE STATE OF UTAH )  
COUNTY OF GRAND )  
~~SAN JUAN~~ )

BEFORE ME, the undersigned authority, on this day personally appeared Roberta G. Wilcox, known to me to be the person whose name is subscribed to the foregoing instrument, and she acknowledged to me that she executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office, this 7th day of February, A.D. 1985.

L. Robert Anderson  
Notary Public, State of Utah  
Address Monticello, Utah

My Commission Expires January 3, 1987

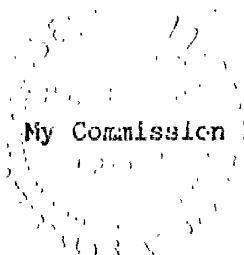
THE STATE OF UTAH )  
COUNTY OF GRAND )  
~~SAN JUAN~~ )

BEFORE ME, the undersigned authority, on this day personally appeared Michael L. Wilcox, known to me to be the person whose name is subscribed to the foregoing instrument, and she acknowledged to me that she executed the same for the purposes and consideration therein expressed.

GIVEN under my hand and seal of office, this 7th day of February, A.D. 1985.

L. Robert Anderson  
Notary Public, State of Utah  
Address Monticello, Utah

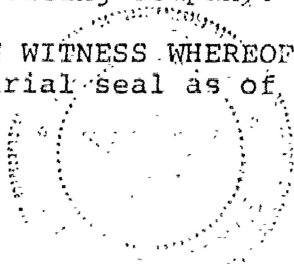
My Commission Expires January 3, 1987



STATE OF Texas §  
County of Harris §  
§

On this 21<sup>st</sup> day of March, 1985, before me, the undersigned authority in and for said jurisdiction, personally appeared Wade A. McElister, to me personally known, who, being by me duly sworn, did say that he is the Vice President - Land of Transco Exploration Company, that Transco Exploration Company, a Delaware Corporation, is the Managing General Partner of TXP Operating Company, a Texas limited partnership and that the foregoing instrument was signed by him and delivered on behalf of Transco Exploration Company, by authority of its Board of Directors, in its capacity and on behalf of TXP Operating Company and that he acknowledged that instrument to be the free act and deed of TXP Operating Company.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal as of the day and year first above written.



Patricia M. Yanch  
Notary Public

PATRICIA M. YANCH  
Commission Expires 3-20-86



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 2, 1985

Mr. Raymond S. Blunk  
TXP Operating Company  
1 United Bank Center  
1700 Lincoln, Suite # 2100  
Denver, Colorado 80203

Dear Mr. Blunk:

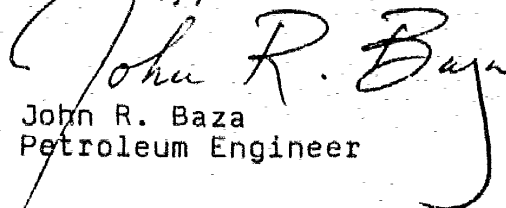
RE: Well No. TXP-Wilcox 1-10, Sec.10, T.29S, R.24E,  
San Juan County, Utah.

The Division has received and reviewed your recent submittal indicating that the subject well has been released by TXP Operating Company to Mr. Max C. Wilcox. This letter acknowledges transfer of ownership of the well and releases TXP Operating Company from additional plugging requirements as required by the Division. Insofar as this office is concerned, the well will be considered as converted to a water supply well and will be placed in our abandoned well files. Mr. Max C. Wilcox will then be considered the operator of the well and will be responsible for operation or plugging of the well in coordination with the State Division of Water Rights.

No additional action is required by TXP Operating Company. However, if additional information is required regarding initial drilling of the well, this information may be requested of TXP Operating Company in order to complete the well file with this Division.

Thank you for your consideration in this matter, if you have any additional concerns regarding this well, please contact this office.

Sincerely,



John R. Baza  
Petroleum Engineer

cc: Mark Page, Division of Water Rights, Price  
R.J. Firth  
Well File  
0090T-66